

Cited in Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Current Contents / Life Sciences; EMBASE/Excerpta Medica; Index Medicus; Informaticus; Pascal M

CONTENTS

At the Cutting Edge

Oocyte-expressed TGF- β superfamily members in female fertility

J.A. Elvin, C. Yan, M.M. Matzuk (USA)

1

Osteocyte function, osteocyte death and bone fracture resistance

B.S. Noble, J. Reeve (UK)

7

Research Papers

Cloning and characterization of a novel retinoid-inducible gene 1 (*RIG1*) deriving from human gastric cancer cells

S.-L. Huang, R.-Y. Shyu, M.-Y. Yeh, S.-Y. Jiang (Taiwan, ROC)

15

Mechanisms underlying the steroidogenic synergy of insulin and luteinizing hormone in porcine granulosa cells: joint amplification of pivotal sterol-regulatory genes encoding the low-density lipoprotein (LDL) receptor, steroidogenic acute regulatory (StAR) protein and cytochrome P450 side-chain cleavage (P450_{scc}) enzyme

N. Sekar, J.C. Garmey, J.D. Veldhuis (USA)

25

Expression of GnRH receptor gene in human ectopic endometrial cells and inhibition of their proliferation by leuprolide acetate

R. Borroni, A.M. Di Blasio, B. Gaffuri, R. Santorsola, M. Busacca, P. Viganò, M. Vignali (Italy)

37

Effect of cyclic adenosine 3',5'-monophosphate and protein kinase A on ligand-dependent transactivation via the vitamin D receptor

S. Nakajima, M. Yamagata, N. Sakai, K. Ozono (Japan)

45

EGF activates highly selective estrogen-responsive reporter plasmids by an ER-independent pathway

B.D. Gehm, J.M. McAndrews, V.C. Jordan, J.L. Jameson (USA)

53

Links between Fer tyrosine kinase expression levels and prostate cell proliferation

P. Allard, A. Zoubeydi, L.T. Nguyen, S. Tessier, S. Tanguay, M. Chevrete, A. Aprikian, S. Chevalier (Canada)

63

Tumour necrosis factor- α exerts dual effects on human adipose leptin synthesis and release

H.H. Zhang, S. Kumar, A.H. Barnett, M.C. Eggo (UK)

79

Mouse growth hormone transcription factor Zn-16: unique bipartite structure containing tandemly repeated zinc finger domains not reported in rat Zn-15

T.C. VanderHeyden, P.W. Wojtkiewicz, T.C. Voss, T.M. Mangin, Z. Harrelson, K.M. Ahlers, C.J. Phelps, D.L. Hurley (USA)

89

Expression and regulation of melanocortin receptor-5 (MC5-R) in the bovine adrenal cortex

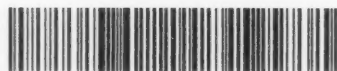
P. Liakos, E.M. Chambaz, J. Jacques Feige, G. Defaye (France)

99

(Contents continued on inside back cover)

CONTENTS
direct

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: www.elsevier.nl/locate/contentsdirect



Cited in Biological Abstracts; Elsevier BIOBASE/Current Awareness in Biological Sciences; Current Contents / Life Sciences; EMBASE/Excerpta Medica; Index Medicus; Informaticus; Pascal M

CONTENTS

At the Cutting Edge

Oocyte-expressed TGF- β superfamily members in female fertility

J.A. Elvin, C. Yan, M.M. Matzuk (USA)

1

Osteocyte function, osteocyte death and bone fracture resistance

B.S. Noble, J. Reeve (UK)

7

Research Papers

Cloning and characterization of a novel retinoid-inducible gene 1 (*RIG1*) deriving from human gastric cancer cells

S.-L. Huang, R.-Y. Shyu, M.-Y. Yeh, S.-Y. Jiang (Taiwan, ROC)

15

Mechanisms underlying the steroidogenic synergy of insulin and luteinizing hormone in porcine granulosa cells: joint amplification of pivotal sterol-regulatory genes encoding the low-density lipoprotein (LDL) receptor, steroidogenic acute regulatory (StAR) protein and cytochrome P450 side-chain cleavage (P450_{scc}) enzyme

N. Sekar, J.C. Garmey, J.D. Veldhuis (USA)

25

Expression of GnRH receptor gene in human ectopic endometrial cells and inhibition of their proliferation by leuprolide acetate

R. Borroni, A.M. Di Blasio, B. Gaffuri, R. Santorsola, M. Busacca, P. Viganò, M. Vignali (Italy)

37

Effect of cyclic adenosine 3',5'-monophosphate and protein kinase A on ligand-dependent transactivation via the vitamin D receptor

S. Nakajima, M. Yamagata, N. Sakai, K. Ozono (Japan)

45

EGF activates highly selective estrogen-responsive reporter plasmids by an ER-independent pathway

B.D. Gehm, J.M. McAndrews, V.C. Jordan, J.L. Jameson (USA)

53

Links between Fer tyrosine kinase expression levels and prostate cell proliferation

P. Allard, A. Zoubeydi, L.T. Nguyen, S. Tessier, S. Tanguay, M. Chevrete, A. Aprikian, S. Chevalier (Canada)

63

Tumour necrosis factor- α exerts dual effects on human adipose leptin synthesis and release

H.H. Zhang, S. Kumar, A.H. Barnett, M.C. Eggo (UK)

79

Mouse growth hormone transcription factor Zn-16: unique bipartite structure containing tandemly repeated zinc finger domains not reported in rat Zn-15

T.C. VanderHeyden, P.W. Wojtkiewicz, T.C. Voss, T.M. Mangin, Z. Harrelson, K.M. Ahlers, C.J. Phelps, D.L. Hurley (USA)

89

Expression and regulation of melanocortin receptor-5 (MC5-R) in the bovine adrenal cortex

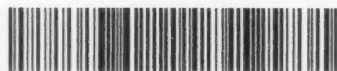
P. Liakos, E.M. Chambaz, J. Jacques Feige, G. Defaye (France)

99

(Contents continued on inside back cover)

CONTENTS
direct

This journal is part of **ContentsDirect**, the *free* alerting service which sends tables of contents by e-mail for Elsevier Science books and journals. You can register for **ContentsDirect** online at: www.elsevier.nl/locate/contentsdirect



MOLECULAR AND CELLULAR ENDOCRINOLOGY

Publication information: *Molecular and Cellular Endocrinology* (ISSN 0303-7207). For 2000, volumes 159–170 are scheduled for publication. Subscription prices are available upon request from the Publisher or from the Regional Sales Office nearest you or from this journal's website (<http://www.elsevier.nl/locate/mce>). Further information is available on this journal and other Elsevier Science products through Elsevier's website: (<http://www.elsevier.nl>). Subscriptions are accepted on a prepaid basis only and are entered on a calendar year basis. Issues are sent by standard mail (surface within Europe, air delivery outside Europe). Priority rates are available upon request. Claims for missing issues should be made within six months of the date of dispatch.

Orders, claims and product enquiries: please contact the Customer Support Department at the Regional Sales Office nearest you:

New York: Elsevier Science, P.O. Box 945, New York, NY 10159-0945, USA; Tel. (+1)212-633-3730 [Toll free number for North American customers: 1-888-4ES-4ES-INFO (437-4636)]; Fax (+1)212-633-3680; E-mail: usinfo-f@elsevier.com

Amsterdam: Elsevier Science, P.O. Box 211, 1000 AE Amsterdam, The Netherlands; Tel. (+31)20-4853757; Fax (+31)20-4853432; E-mail: nlinfo-f@elsevier.nl

Tokyo: Elsevier Science, 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; Tel. (+81)3-5561-5033; Fax (+81)3-5561-5047; E-mail: info@elsevier.co.jp

Singapore: Elsevier Science, No. 1 Temasek Avenue, #17-01 Millenia Tower, Singapore 039192, Tel. (+65)434-3727; Fax (+65)337-2230; E-mail: asiainfo@elsevier.com.sg

Rio de Janeiro: Elsevier Science, Rua Sete de Setembro 111/16 Andar, 20050-002 Centro, Rio de Janeiro - RJ, Brazil; Tel. (+55)21-509-5340; Fax (+55)21-507-1991; E-mail: elsevier@campus.com.br [Note (Latin America): for orders, claims and help desk information, please contact the Regional Sales Office in New York as listed above]

Advertising information. Advertising orders and enquiries can be sent to: **USA, Canada and South America:** Mr Tino de Carlo, The Advertising Department, Elsevier Science Inc., 655 Avenue of the Americas, New York, NY 10010-5107, USA; phone: (+1) (212) 633 3815; fax: (+1) (212) 633 3820; e-mail: t.decarlo@elsevier.com. **Japan:** The Advertising Department, Elsevier Science K.K., 9-15 Higashi-Azabu 1-chome, Minato-ku, Tokyo 106-0044, Japan; phone: (+81) (3) 5561 5033; fax: (+81) (3) 5561 5047. **Europe and ROW:** Rachel Leveson-Gower, The Advertising Department, Elsevier Science Ltd., The Boulevard, Langford Lane, Kidlington, Oxford OX5 1GB, UK; phone: (+44) (1865) 843565; fax: (+44) (1865) 843976; e-mail: r.leveson-gower@elsevier.co.uk

If you need information about the journal, you can find all details (including full "Notes to Authors") on the World Wide Web: access under <http://www.elsevier.nl/locate/mce> or <http://www.elsevier.com/locate/mce>

(Contents continued from outside back cover)

Resistance to thyroid hormone (RTH) syndrome reveals novel determinants regulating interaction of T3 receptor with corepressor M.L. Privalsky, S.M. Yoh (USA)	109
An alternatively spliced rat mineralocorticoid receptor mRNA causing truncation of the steroid binding domain M.-Y. Zhou, C.E. Gomez-Sanchez, E.P. Gomez-Sanchez (USA)	125
Effect of PRL on MAPK activation: negative regulatory role of the C-terminal part of the PRL receptor O. Goupille, J.-V. Barnier, B. Guibert, J. Paly, J. Djiane (France)	133
Relaxin-like factor (RLF) mRNA expression in the fallow deer S. Hombach-Klonisch, J. Kauffold, T. Rautenberg, K. Steger, F. Tetens, B. Fischer, T. Klonisch (Germany)	147
Expression and regulatory function of the transcription factor Sp1 in the uterine endometrium at early pregnancy: implications for epithelial phenotype R.C.M. Simmen, X.-L. Zhang, D. Zhang, Y. Wang, F.J. Michel, F.A. Simmen (USA)	159
Partial characterization of the CCAAT box in the promoter of the hIGFBP-1 gene: interaction with negatively acting transcription factors in decidualized human endometrial stromal cells J. Gao, J. Mazella, L. Tseng (USA)	171
Permissive effect of thyroid hormones on induction of rat colonic Na ⁺ transport by aldosterone is not localised at the level of Na ⁺ channel transcription L. Mrnka, J. Pácha (Czech Republic)	179
Temporal expression and T3 induction of thyroid hormone receptors α 1 and β 1 during early embryonic and larval development in zebrafish, <i>Danio rerio</i> Y.-W. Liu, L.-J. Lo, W.-K. Chan (Singapore)	187
<i>Calendar</i>	197
<i>Notes to Authors</i>	
<i>Announcements</i>	

